SELECT \* FROM mysql\_task1.insurance\_data;

**-- 1. Show records of 'male' patient from 'southwest' region.**

SELECT \* FROM mysql\_task1.insurance\_data

WHERE gender = 'male' AND region = 'southwest';

**-- 2. Show all records having bmi in range 30 to 45 both inclusive.**

SELECT \* FROM mysql\_task1.insurance\_data

WHERE bmi BETWEEN 30 AND 45;

**-- 3. Show minimum and maximum bloodpressure of diabetic patient who smokes.Make column names as MinBP and MaxBP respectively.**

SELECT MIN(bloodpressure) AS 'MinBP',

MAX(bloodpressure) AS 'MaxBP'

FROM mysql\_task1.insurance\_data

WHERE diabetic = 'Yes' AND smoker = 'Yes';

**-- 4. Find no of unique patients who are not from southwest region.**

SELECT COUNT(DISTINCT(patientID)) FROM mysql\_task1.insurance\_data

WHERE region <> 'southwest';

**-- 5. Total claim amount from male smoker.**

SELECT SUM(claim) FROM mysql\_task1.insurance\_data

WHERE gender='male';

**-- 6. Select all records of south region.**

SELECT \* FROM mysql\_task1.insurance\_data

WHERE region LIKE 'south%';

**-- 7. No of patient having normal blood pressure. Normal range[90-120]**

SELECT COUNT(\*) FROM mysql\_task1.insurance\_data

WHERE bloodpressure BETWEEN 90 AND 120;

**-- 8. No of patient below 17 years of age having normal blood pressure as per below formula -**

**-- BP normal range = 80+(age in years × 2) to 100 + (age in years × 2)**

**-- Note: Formula taken just for practice, don't take in real sense.**

SELECT COUNT(\*) FROM mysql\_task1.insurance\_data

WHERE age < 17

AND (bloodpressure BETWEEN 80+(age \* 2) AND 100 + (age \* 2));

**-- 9. What is the average claim amount for non-smoking female patients**

**-- who are diabetic?**

SELECT \* FROM mysql\_task1.insurance\_data

WHERE gender ='female' AND smoker='No';

**-- 10. Write a SQL query to update the claim amount for the patient**

**-- with PatientID = 1234 to 5000.**

SET SQL\_SAFE\_UPDATES = 0;

UPDATE mysql\_task1.insurance\_data

SET claim='5000'

WHERE PatientID =1234;

SELECT \* FROM mysql\_task1.insurance\_data WHERE PatientID =1234;

**-- 11. Write a SQL query to delete all records for patients**

**-- who are smokers and have no children.**

DELETE FROM mysql\_task1.insurance\_data

WHERE smoker='Yes' AND children=0;

SELECT \* FROM mysql\_task1.insurance\_data